

**N. Y. S. 1998 PROCESSING SWEET CORN VARIETY LATE SEASON REPLICATED TRIAL
SUMMARY**

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I. Yield and Quality

The trial was located at the Vegetable Research Farm (Field 10) in Geneva on a Lima silt loam. The objective was to harvest at 71-74% moisture. Planting date was 6/24. Plot size was 2 rows, 30 feet in length, and 30 inches between the rows. It was replicated four times. Yield data was taken from a single harvest of 15 foot sections (both rows) of each plot. A subsample of 20 ears was taken for ear data (five ears were broken in half for kernel depth measurements and were not cut). Seeds were planted with a Monosem vacuum planter with double disc openers. The fertilizer used was a 10-10-20 at a rate of 350 pounds per acre. Fertilizer was banded two inches below and two inches to the side of the seeds at planting. Bicep lite (at the labeled rate) was applied pre-emergence for weed control. Plant populations are listed in Table 3. Desired population was 23,200 plants per acre (9 inches in row spacing) after thinning. One cultivation was done and 270 pounds of 33-0-0 per acre were sidedressed. The cultivar Bonus from Novartis (Rogers brand) was used as a standard. Four Attribute (insect protected) cultivars from Novartis were included that had been transgenically altered to produce the same protein that the *Bacillus thuringiensis* (Bt) bacterial insecticide produces to control corn earworm and European corn borer.

For a printed copy of the entire report, please contact the NYS IPM office at:

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